

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

5

1. (Previously presented) In combination for providing signals at different positions in a patient's heart,
a vest constructed to be worn by the patient,
a plurality of electrodes,
10 a plurality of positions in the vest for receiving the electrodes, individual positions in the plurality being disposed to receive the electrodes for measuring the characteristics of the patient's heart when the patient has a small, medium or large size, thereby to obtain signals indicating the characteristics of the patient's heart when the patient has a small, medium or large size, and

15 amplifiers responsive to the signals on the electrodes at the individual positions in the vest for providing signals indicating the characteristics of the patient's heart at the different positions for the patient when the patient has a small, medium or large size.

2. (Previously presented) In a combination as set forth in claim 1
20 wherein

the electrodes are positioned at the individual positions in the vest to measure V₁-V₆ positions in the heart for the patient when the patient has a small, medium or large size and wherein

the amplifiers provide the signals at the individual ones of the V₁-V₆
25 positions of the patient's heart when the patient has the small, medium or large size.

3. (Previously presented) In a combination as set forth in claim 1
wherein

the electrodes measure individual ones of the V₁-V₆ positions in the patient's heart when the patient has the small, medium or large size, and wherein

5 the amplifiers provide signals indicating the characteristics of the patient's heart at the individual ones of the V₁-V₆ positions for the patient when the patient has the small, medium or large size.

4. (Previously presented) In a combination as set forth in claim 1
wherein

10 the positions in the vest are disposed in rows and columns and wherein each of the amplifiers provides indications of the heart in the individual ones of the rows at an individual one of the columns when the patient has a small, medium or large size.

5. (Previously presented) In a combination as set forth in claim 1
15 wherein

the electrodes at the individual positions are provided with pressures against the body of the patient of at least a particular value to facilitate the production by the patient of signals indicating the characteristics of the patient's heart at the individual positions when the patient has the small, medium or large size.

20 6. (Previously presented) In a combination as set forth in claim 2
wherein

the electrodes measure individual ones of the V₁-V₆ positions in the heart for the patient when the patient has the small, medium or large size and wherein

the amplifiers provide signals indicating the characteristics of the heart at individual ones of the V₁-V₆ positions for the patients when the patient has the small, medium or large size and wherein

the positions in the vest are disposed in rows and columns and wherein

5 each of the amplifiers provides indications of the heart in individual ones of the rows at an individual one of the columns when the patient has a small, medium or large size and wherein

the electrodes at the individual positions are provided with pressures against the body of the patient of at least a particular value to facilitate the production by
10 the patient of signals indicating the characteristics of the patient's heart at the individual positions.

7. (Previously presented) In combination for providing signal indications at individual positions in a patient's heart,

a vest constructed to be disposed on a patient's body for ambulatory
15 movement of the patient while measurements are being made of the characteristics of the patient's heart,

a plurality of electrodes each providing a measurement at an individual one of the positions in the patient of the characteristics of the patient's heart at that position,

the positions on the vest constituting pluralities each plurality being
20 provided to receive an individual one of the electrodes regardless of the size of the patient, and

a plurality of amplifiers, each connected to an individual one of the electrodes to receive signals from an individual one of the electrodes regardless of the size of the patient.

8. (Previously presented) In a combination as set forth in claim 7 including

an electrode assembly disposed on the vest and including a plurality of electrodes each connected to provide the signals to an individual one of the amplifiers.

5 9. (Previously presented) In a combination as set forth in claim 7 wherein

the vest is provided with rows and columns of positions and wherein

the electrodes are disposed in individual ones of the positions depending upon whether the patient has a small, medium or large size and wherein

10 each amplifier is connected to an individual one of the electrodes, when the patient has a small, medium or large size, to provide signals representing an individual position in the patient's heart regardless of the size of the patient.

10. (Previously presented) In a combination as set forth in claim 7 wherein

15 the positions on the vest are disposed in rows and columns and wherein

each amplifier provides signals in an individual one of the columns when the patient has a small, medium or large size and wherein

each amplifier provides an indication of the signal on an individual one of V_1-V_6 positions in the patient when the patient has a small, medium or large size.

20 11. (Previously presented) In a combination as set forth in claim 7 wherein

the electrodes for the patient, when the patient has a small, medium or large size, are positioned on the vest so that at most only one electrode is disposed in each column of the positions on the vest regardless of the size of the patient.

12. (Previously presented) In a combination as set forth in claim 7
wherein

each electrode is disposed on the vest with a pressure against the patient at least equal to a particular value.

5 13. (Previously presented) In a combination as set forth in claim 8
wherein

the electrodes are disposed in rows and columns and wherein

each amplifier is connected to an individual one of the electrodes, when the patient has a small, medium or large size, to provide signals representing individual 10 positions in the patient's heart regardless of the size of the patient and wherein

each amplifier provides signals in an individual one of the columns when the patient has a small, medium or large size and wherein

each amplifier provides an indication of an individual one of V₁-V₆ positions in the patient and wherein

15 the electrodes for the patient, when the patient has a small, medium or large size, are positioned on the vest so that at most only one electrode is disposed in each column of the positions on the vest regardless of the patient's size and wherein

each electrode is disposed on the vest against the patient with at least a particular pressure.

20 14. (Previously presented) In combination for providing signals at different positions in a patient's heart,

a vest having a plurality of positions for determining the characteristics of the patient's heart,

25 a plurality of electrodes constructed to be connected to the vest at individual ones of the different positions, and

an inflatable member for inflating the vest with the vest disposed on the patient to press the electrodes against the patient's body for enhancing the passage of the signals from the patient's heart to the electrodes.

15. (Previously presented) In a combination as set forth in claim 14,
5 a member carried by the patient and having a plurality of terminals for receiving the signals from the different electrodes.

16. (Previously presented) In a combination as set forth in claim 14
wherein

10 amplifiers are disposed on the member and are connected to the electrodes and wherein

the member is attached to the vest to provide for the production of signals from the patient's heart at the electrodes, while the patient is ambulatory, without affecting the characteristics of the signals from the patient's heart and wherein

15 the amplifiers are constructed to amplify the signals from the electrodes without affecting the characteristics of the signals even while the patient is ambulatory.

17. (Previously presented) In a combination as set forth in claim 14
wherein

20 the vest has a plurality of positions, dependent upon the size of the patient, for receiving electrodes to measure the characteristics of the heart at positions V₁-V₆ in the patient's heart.

18. (Previously presented) In a combination as set forth in claim 15
wherein

25 the member is attached to the vest to provide for the production of signals at the electrodes, while the patient is ambulatory, without affecting the characteristics of the signals produced at the different electrodes and wherein

the vest has a plurality of positions, dependent upon the size of the patient, for receiving electrodes to measure the characteristics of the heart at positions V₁-V₆ on the patient's heart.

19. (Previously presented) In a combination for providing signals at
5 different positions in a patient's heart,

a vest constructed to be worn by the patient,

a plurality of positions on the vest, the positions being disposed in rows and columns,

10 electrodes disposed in the vest at particular positions in the vest, the particular positions being dependent upon the size of the patient wearing the vest, there being at most only one electrode in each column in the vest regardless of the size of the patient.

20. (Previously presented) In a combination as set forth in claim 19, a plurality of amplifiers each responsive to the signals from the electrode in
15 an individual one of the columns, different from the other columns in which the electrodes are disposed for receiving the signals in the heart.

21. (Previously presented) In a combination as set forth in claim 20
wherein

20 the amplifiers are attached to the vest in a closely coupled relationship to the vest to be carried by the patient in an ambulatory relationship of the patient.

22. (Previously presented) In a combination as set forth in claim 20,
wherein

25 the amplifiers are constructed, and are connected to the electrodes, to provide signals of stable characteristics from the electrodes regardless of the size of the patient and even while the patient is ambulatory.

23. (Previously presented) In a combination as set forth in claim 20
wherein

the signals from the amplifiers are independent of any noise that may result
from the ambulatory nature of the patient.

5 24. (Previously presented) In a combination as set forth in claim 22
wherein

the signals from the amplifiers are independent of any noise that may result
from the ambulatory nature of the patient.

10 25. (Previously presented) In a combination as set forth in claim 19,
an inflator for inflating the vest against the patient's body for providing an
adjustable pressure of the electrodes against the patient's body.

26. (Previously presented) In a combination as set forth in claim 19,
an inflator for inflating the vest against the patient's body to provide at least
a particular pressure of each electrode against the patient's body.

15 27. (Previously presented) In a combination as set forth in claim 19
wherein

each of the electrodes is individually inflated against the patient's body to
provide at least a particular pressure between the electrode and the patient's body.

20 28. (Previously presented) In a combination as set forth in claim 23
wherein

each of the electrodes is individually inflated against the patient's body to
provide, between the electrode and the patient's body, a pressure which is at least a
particular value.

29. (Previously presented) In a combination as set forth in claim 23

a plurality of amplifiers each responsive to the signals from an individual one of the electrodes in an individual one of the columns, regardless of the patient's size, for amplifying the signals in the electrode.

5 30. (Previously presented) In a combination as set forth in claim 24

a plurality of amplifiers each responsive to the signals from an individual one of the electrodes in an individual one of the columns, regardless of the patient's size, for amplifying the signals in the electrode.

31. (Currently amended) In a combination as set forth in claim [34]

10 [20],

each of the electrodes is individually inflated against the patient's body to provide, between the electrode and the patient's body a pressure which at least equals a particular value.

15 ~~a plurality of amplifiers provided each responsive to the signals from an electrode in an individual one of the columns, regardless of the patient's size, for amplifying the signals in the electrode.~~

32. (Previously presented) In a combination for providing signals at different positions in a patient's heart,

a vest constructed to be worn by the patient,

20 a plurality of positions disposed on the vest in rows and columns in an upper left portion of the vest and in positions in a lower right portion of the vest, and

electrodes disposed on the vest in positions in the upper right portion of the vest and in positions in the lower left portion of the vest.

33. (Previously presented) In a combination as set forth in claim 32
wherein

V₁ and V₂ electrodes are disposed in the upper right portion of the vest
regardless of the size of the patient and wherein

5 the V₁ and V₂ electrodes in the upper right portion of the vest are
symmetrically disposed relative to the patient's sternum and wherein

electrodes are disposed in positions in the lower right portion of the vest
regardless of the size of the patient.

34. (Previously presented) In a combination as set forth in claim 32
10 wherein

V₄, V₅ and V₆ electrodes are disposed in positions in an individual one of
the rows in the lower left portion of the vest regardless of the size of the patient.

35. (Previously presented) In a combination as set forth in claim 33
wherein

15 a V₃ electrode is disposed in either the upper right portion or the lower left
portion dependent upon the size of the patient.

36. (Previously presented) In a combination as set forth in claim 35
wherein

20 V₁ and V₂ electrodes are in positions in the upper right portion of the vest in
the same horizontal row on opposite sides of the sternum in a symmetrical relationship
with the sternum regardless of the size of the patient and wherein

V₄, V₅ and V₆ electrodes are in positions on the lower left portion in the
same horizontal row.

37. (Previously presented) In a combination as set forth in claim 32

wherein

there are two (2) electrodes in the positions in the upper right portion of the rectangle and two of these electrodes are in the same row in a symmetrical relationship

5 with the sternum of the patient regardless of the size of the patient and wherein

a third electrode is in either the upper right portion of the vest or the lower left portion of the vest in a row and column different from the row and columns of the first two electrodes, the positioning of the third electrode being dependent upon the size of the patient and wherein

10 there are three electrodes in position in the lower left portion of the vest and all of these are in the same horizontal row but in a row different from the rows locating the other electrodes and in columns different from the other electrodes and from one another, the positioning of the three electrodes being dependent upon the size of the patient.

15 38. (Previously presented) In a combination as set forth in claim 32

wherein

positions are provided in the upper right portion of the rectangle and in the lower left portion of the rectangle to provide for the disposition of electrodes in particular ones of the positions for patients of small, medium and large sizes and wherein

20 each of the electrodes is in a different column from the other columns regardless of the size of the patient.

39. (Previously presented) In a combination as set forth in claim 38

wherein

the upper right portion overlaps the lower left portion and wherein

25 at least two (2) electrodes are disposed in positions in the upper right portion regardless of the size of the patient and wherein

three electrodes are disposed in the positions in the lower left portion regardless of the size of the patient and wherein

a sixth electrode is disposed in either the upper right portion of the vest or the lower left portion of the vest dependent upon the size of the patient.

5 40. (Previously presented) In combination for providing signals at different positions in a patient's heart,

a vest constructed to be worn by the patient,

a first plurality of positions in the upper left portion of the vest and a second plurality of positions in the lower right portion of the vest,

10 the positions in the upper left portion and the lower right portion of the vest defining rows and columns, and

electrodes disposed in particular ones of the positions in the upper left portion and the lower right portion of the vest for providing signals indicative of the characteristics of the heart regardless of the size of the patient.

15 41. (Previously presented) In a combination as set forth in claim 40,

the electrodes constituting first electrodes and being disposed relative to the patient's heart and being operative to produce signals indicative of V₁-V₆ positions in the heart regardless of the size of the patient.

42. (Previously presented) In a combination as set forth in claim 40,

20 a third plurality of positions in the lower right portion of the vest and a fourth plurality of positions in the upper left portion of the vest, and

the electrodes constituting first electrodes, and

second electrodes disposed in particular ones of the third and fourth positions for providing signals indicative of the characteristics of the heart at these positions.

43. (Previously presented) In a combination as set forth in claim 40,
5 the second electrodes being disposed relative to the patient's heart and being operative to produce signals indicative of relatively rare heart problems in comparison to the heart problems indicated by the signals from the first electrodes.

44. (Previously presented) In combination for providing signals at different positions in a patient's heart,

10 a vest constructed to be worn by the patient,
a plurality of positions in the vest,
a plurality of electrodes each disposed in an individual one of the plurality of positions and operative to provide signals indicative of the characteristics of the heart at this position, and

15 a plurality of amplifiers each connected to an individual one of the electrodes to amplify the signals from the individual one of the electrodes, the amplifiers being supported by the vest to facilitate ambulatory movement of the patient with the vest.

45. (Previously presented) In a combination as set forth in claim 44,
20 the amplifiers being constructed to amplify the signals, without producing noise in the signals, during ambulatory movements of the patient with the vest disposed on the patient.

46. (Previously presented) In a combination as set forth in claim 44

wherein

electrodes disposed in first positions in the vest provide signals indicative of relatively common problems in the patient's heart and electrodes disposed in second positions in the vest provide signals indicative of relatively rare problems in the heart.

47. (Previously presented) In a combination as set forth in claim 46

wherein

the amplifiers are constructed to provide signals indicative of the characteristics of the heart at the positions of the electrodes without any noise resulting from any ambulatory movements of the patient.

48. (Previously presented) In a combination as set forth in claim 44

wherein

electrodes disposed at first positions in the vest provide signals indicative of relatively common problems in the patient's heart and electrodes disposed at second positions in the vest provide signals indicative of relatively rare problems in the heart and wherein

the amplifiers are constructed to provide signals indicative of the characteristics of the heart at the positions of the electrodes without any noise resulting from any ambulatory movements of the patient.

20 49. (Previously presented) In combination for providing signals at different positions in a patient's heart,

a vest constructed to be worn by the patient,

a plurality of positions in the vest,

a plurality of electrodes each disposed in an individual one of the positions and operative to provide signals indicative of the characteristics of the heart at this position, and

a plurality of amplifiers each connected to an individual one of the
5 electrodes to amplify the signals from the individual one of the electrodes, the amplifiers being constructed to provide signals indicative of the characteristics of the heart at the positions of the electrodes without any noise resulting from any ambulatory movements of the patient.

50. (Previously presented) In a combination as set forth in claim 49,
10 the electrodes being disposed in the vest at individual positions in the vest for patients of small, medium and large size.

51. (Previously presented) In a combination as set forth in claim 49,
each of the electrodes being disposed in a coupled relationship with the
patient's skin to apply pressure against the patient's skin with a value greater than a
15 particular value.

52. (Previously presented) In a combination as set forth in claim 50,
each of the electrodes being disposed in a coupled relationship to the
patient's skin to apply a pressure to the patient's skin at a value greater than a particular
value for producing signals indicative of the patient's heart at the position of the
20 electrode.

53. (Previously presented) In a combination as set forth in claim 49,
the electrodes being disposed in the vest at individual positions in the vest for patients of small, medium and large sizes to obtain signals indicative of the characteristics of the heart of the patient of small, medium and large sizes.

54. (Previously presented) In a combination as set forth in claim 50,
each of the electrodes being disposed in a coupled relationship with the
patient's skin to apply a pressure against the patient's skin of at least a particular value,
the electrodes being disposed in the vest at individual positions in the vest
5 for patients of small, medium and large sizes to obtain signals indicative of the
characteristics of the hearts of the patients of small, medium and large sizes.

55. (Previously presented) In a method of providing signals at different
positions in a patient's heart, the steps of:

providing a vest to be worn by the patient,
10 providing a plurality of positions in the vest for the reception of electrodes,
disposing the electrodes in the vest at individual ones of the positions
dependent upon the size of the patient, and
applying the electrodes to the patient's skin at the individual ones of the
positions to produce on the electrodes signals indicative of the characteristics of the heart
15 at the positions of the electrodes.

56. (Previously presented) In a method as set forth in claim 55, the step
of:

adjusting the pressure applied by each electrode against the skin to maintain
a pressure of the different electrodes against the skin of at least a particular value.

20 57. (Previously presented) In a method as set forth in claim 55, the step
of:

introducing the signals on the electrodes to amplifiers disposed on the vest
and having characteristics of amplifying the signals, without the production of noise,
while the patient is ambulatory.

58. (Previously presented) In a method as set forth in claim 55, the step of:

providing the different positions on the housing in rows and columns and providing for the indication of V₁-V₆ electrodes in columns wherein each of the 5 electrodes is in a column different from the columns in which the other ones of the V₁-V₆ electrodes are located.

59. (Previously presented) In a method as set forth in claim 58 wherein each of the amplifiers provides signals indicative of the patient's heart at the position of an individual one of the V₁-V₆ electrodes by receiving indications from the 10 individual one of the columns in which the individual one of the V₁-V₆ electrodes is located.

60. (Previously presented) In a method as set forth in claim 55 wherein the electrodes include V₁-V₆ electrodes and the V₁-V₆ electrodes occupy individual positions on the vest for each of the patients whether the patients have a small, 15 medium or large size.

61. (Previously presented) In a method as set forth in claim 58 wherein the sizes of the patients constitute small, medium and large and the positions of the V₁-V₆ electrodes for patients having one of the small, medium and large sizes are different from the positions of the corresponding electrodes for patients having 20 other ones of the small, medium and large sizes.

62. (Previously presented) In a method as set forth in claim 57, the steps of:

providing the different positions on the housing in rows and column and providing for the indication of V₁-V₆ electrodes in columns wherein each of the 25 electrodes is in a column different from the columns in which the other ones of the V₁-V₆ electrodes are located and wherein

each of the amplifiers provides signals indicative of the patient's heart at the position of an individual one of the V₁-V₆ electrodes by receiving indications from the individual one of the columns in which the individual one of the V₁-V₆ electrodes is located and wherein

5 the V₁-V₆ electrodes occupy individual positions on the vest for each of the different sizes of the patients.

63. (Previously presented) In a method as set forth in claim 57, including the steps of:

the sizes of the patients constitute small, medium and large and the
10 positions of the V₁-V₆ electrodes for the patients having any one of the small, medium and large sizes are different from the positions of the corresponding electrodes for the patients having the other ones of the small, medium and large sizes and wherein

the different positions on the housing are provided in rows and columns and
wherein the indications of the V₁-V₆ electrodes are provided in columns such that any one
15 of the electrodes is in a column different from the columns in which the other ones of the V₁-V₆ electrodes are located and wherein

each of the amplifiers provides signals indicative of the patient's heart at the position of an individual one of the V₁-V₆ electrodes by receiving indications from the individual one of the columns in which the individual one of the V₁-V₆ electrodes is
20 located.

64. (Previously presented) In a method of providing signals at different positions in a patient's heart, the steps of:

providing a vest to be worn by the patient whether the patient has a small, medium or large size,

25 providing a plurality of positions in the vest,

disposing V₁-V₆ electrodes in the vest at individual ones of the positions dependent upon whether the patient has a small, medium or large size, and

applying the V₁-V₆ electrodes to the patient's skin at the individual ones of the positions of the electrodes to produce on the electrodes signals indicative of the
5 characteristics of the heart at the positions of the V₁-V₆ electrodes.

65. (Previously presented) In a method as set forth in claim 64 wherein
the V₁-V₂ electrodes are disposed on opposite sides of the patient's sternum
in a substantially symmetrical relationship with the sternum.

66. (Previously presented) In a method as set forth in claim 64 wherein
10 regardless whether the patient has a small, medium or large size, the V₄, V₅
and V₆ electrodes are disposed on a substantially horizontal line at positions below the
V₁-V₂ electrodes and wherein the V₃ electrode is displaced vertically between the V₁-V₂
electrodes and the V₄, V₅ and V₆ electrodes and is displaced horizontally from the V₁ and
V₂ electrodes and the V₄, V₅ and V₆ electrodes.

15 67. (Previously presented) In a method as set forth in claim 64 wherein
the positions are disposed in rows and columns and wherein
a plurality of positions are provided in each column and wherein
each of the V₁-V₆ electrodes is disposed, regardless of whether the patient
has a small, medium or large size, in a column different from the columns in which the
20 other ones of the V₁-V₆ electrodes are disposed.

68. (Previously presented) In a method as set forth in claim 64 wherein
a plurality of amplifiers are provided and wherein
each of the amplifiers is connected to an individual one of the V₁-V₆
whether the patient has a small, medium or large size.

69. (Previously presented) In a method as set forth in claim 68 wherein

each of the amplifiers is provided with characteristics of amplifying the signals from the individual one of the electrodes, without the production of noise, while the patient is ambulatory.

5 70. (Previously presented) In a method as set forth in claim 64 wherein

the V₄, V₅ and V₆ electrodes are disposed on a substantially horizontal line at positions below the V₁-V₂ electrodes and the V₃ electrode is disposed vertically between the V₁-V₂ electrodes and the V₄, V₅ and V₆ electrodes and wherein

the positions are disposed in rows and columns and wherein

10 a plurality of positions are provided in each column and wherein

regardless of whether the patient has a small, medium or large size, each of the V₁-V₆ electrodes is disposed in a column different from the columns in which the other ones of the V₁-V₆ electrodes are disposed and wherein

a plurality of amplifiers are provided and wherein

15 each of the amplifiers is connected to receive the outputs from the electrode in any of the positions in an individual one of the columns whether the patient has a small, medium or large size and wherein

each of the amplifiers is provided with characteristics of amplifying the signals from the electrode in the individual one of the columns, without the production of noise, while the patient is ambulatory.

20 71. (Previously presented) In a method of providing signals at different positions in a patient's heart, the steps of:

providing a vest to be worn by the patient,

providing a plurality of positions in the vest,

disposing electrodes at individual ones of the positions in the vest,
applying the electrodes to the patient's skin at the individual ones of the positions to produce at the electrodes signals indicative of the characteristics of the patient's heart at the positions of the V₁-V₆ electrodes,
5 providing a plurality of amplifiers each having characteristics of amplifying the patient's heart signals at an individual one of the electrodes, without any production of noise while the patient is ambulatory, thereby providing stable signals from the patient's heart, and
connecting each of the amplifiers to the individual one of the electrodes.
10 72 (Previously presented) In a method as set forth in claim 71 wherein the positions on the vest are disposed in rows and columns and wherein the electrodes are disposed at positions in the rows and columns such that each one of the electrodes is in an individual one of the columns different from the columns in which the other ones of the electrodes are disposed.
15 73. (Previously presented) In a method as set forth in claim 71 wherein the electrodes constitute V₁-V₆ electrodes and wherein the V₁-V₂ electrodes are disposed in the same row on opposite sides of the patient's sternum and wherein the V₄, V₅ and V₆ electrodes are disposed in different columns in the same 20 row and wherein the V₃ electrode is disposed in a different row and column than the rows and columns in which the other ones of the V₁-V₆ electrodes are disposed.

74. (Previously presented) In a method as set forth in claim 71 wherein the V₁-V₂ electrodes are disposed on the opposite sides of the sternum in a substantially symmetrical relationship with the sternum.

5 75. (Previously presented) In a method as set forth in claim 71 wherein each of the amplifiers is connected to receive the signals from one of the electrodes in the different positions in an individual one of the columns.

76. (Previously presented) In a method as set forth in claim 71 wherein each of the electrodes is disposed at individual positions dependent upon the size of the patient.

10 77. (Previously presented) In a method as set forth in claim 71 wherein the electrodes constitute V₁-V₆ electrodes and wherein the V₁-V₂ electrodes are disposed in the same row on opposite sides of the patient's sternum and wherein

15 the V₄, V₅ and V₆ electrodes are disposed in different columns in the same row and wherein

the V₃ electrode is disposed in a different row and column than the rows and columns in which the other ones of the V₁-V₆ electrodes are disposed and wherein

the V₁-V₂ electrodes are disposed in a substantially symmetrical relationship with the plaintiff's sternum on the opposite sides of the sternum and wherein

20 each of the amplifiers is connected to receive the signals from one of the electrodes in the different positions in an individual one of the columns and wherein

each of the electrodes is disposed at individual positions dependent upon the size of the patient.